

12-03-01

Box 500

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**NON-PROVISIONAL  
UTILITY PATENT APPLICATION  
TRANSMITTAL - 37 CFR 1.53(b)**

☐ Duplicate  
(check, if applicable)

U.S. Patent and Trademark Office  
**BOX PATENT APPLICATION**  
P.O. Box 2327  
Arlington, VA 22202

**Attorney Docket No. 10147-56U1**  
**First Named Inventor: Rachel A. Meyers**  
**Express Mail Label No. EL 916936575 US**  
**Total Pages of Transmittal Form: 2**

Transmitted herewith for filing is the non-provisional utility patent application entitled:

**47169 AND 33935, NOVEL GLYCOSYL  
TRANSFERASES AND USES THEREFOR**

which is:

an ☒ Original; or

a ☐ Continuation, ☐ Divisional, or ☐ Continuation-in-part (CIP)

of prior Application No. filed

Anticipated Group/Art Unit: or Class, Subclass

☒ This non-provisional patent application is based on Provisional Patent Application  
No. 60/249,939, filed November 20, 2000.

Enclosed are:

- ☒ Specification (including Abstract) and claims: 118 pages.
- ☒ Application Data Sheet.
- ☒ Non-executed Declaration.
- ☐ Copy of Declaration from prior application.
- ☐ Separate Power of Attorney (including 37 CFR 3.73(b) statement, if applicable).
- ☒ 19 sheets of drawings (formal).
- ☐ Transmittal Letter Accompanying Submission of Compact Disc in Accordance  
with 37 C.F.R. §1.52(e), plus two identical compact discs (for computer program  
Appendix)
- ☒ Nucleotide and/or Amino Acid Sequence Submission, including:
  - ☒ Computer readable copy ☒ Paper Copy ☒ Verified Statement.
- ☐ Under PTO-1595 Cover Sheet, an assignment of the invention
- ☒ Name of Assignee: Millennium Pharmaceuticals, Inc.
- ☐ Certified copy(ies) of &@ Application No(s). &@ filed &@ is/are filed:
  - ☐ herewith or ☐ in prior application &@.
- ☐ Applicant(s), by its/their undersigned attorney, claim(s) Small Entity Status under  
37 C.F.R. §1.27 as ☐ an Independent Inventor, or ☐ a Small Business Concern,  
or ☐ a Non-Profit Organization.
- ☐ Preliminary Amendment.
- ☐ Information Disclosure Statement, PTO/SB/08A, and cited references.

11/20/01  
10/001851  
JC925 U.S. PRO

- ☐ Request for Nonpublication of Application Under 35 U.S.C. §122(b)  
☐ Other: &@

The filing fee is calculated as follows:

			SMALL ENTITY			LARGE ENTITY	
CLAIMS	NO. FILED	NO. EXTRA	BASIC FEE:			BASIC FEE:	
			\$370			\$740	
Total	35-20 =	15	X9	\$	OR	X18	\$ 270.00
Independent	4-3 =	1	X42	\$	OR	X84	\$ 84.00
<input type="checkbox"/> Multiple Dependent Claims Present			\$140	\$	OR	\$280	\$
			<b>TOTAL</b>	<b>\$</b>	<b>OR</b>	<b>TOTAL</b>	<b>\$ 1094.00</b>

- ☐ The Commissioner is not authorized to charge the filing fee at this time as we elect to defer payment of the entire filing fee until receipt of a Notice to File Missing Parts.
- ☐ A check in the amount of \$ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and/or credit **Deposit Account No. 50-1017 (Billing No. 210147-0098)** as noted below. A duplicate copy of this sheet is enclosed.
- ☒ Any overpayments or deficiencies in the above-calculated fee.
- ☒ Filing fee in the amount of \$1094.00 as calculated above.
- ☒ Any additional fees required under 37 C.F.R. § 1.16 and § 1.17.
- ☒ In the event that a Petition for Extension of Time is required during the prosecution of this application, but not submitted, please charge any extension fee under 37 C.F.R. § 1.136(a) to our Deposit Account noted above.

Respectfully submitted,

**Rachel A. Meyers et al.**

20 November 2001  
 (Date)

By:

  
**GARY D. COLBY, Ph.D., J.D.**

Registration No. 40,961

**AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.**

One Commerce Square

2005 Market Street - Suite 2200

Philadelphia, PA 19103-7086

Telephone: 215-965-1200

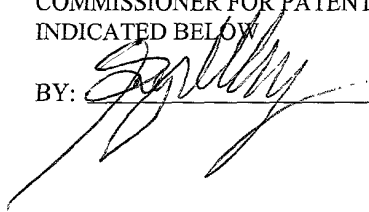
**Direct Dial: 215-965-1285**

Facsimile: 215-965-1210

E-Mail: gcolby@akingump.com

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO ASSISTANT COMMISSIONER FOR PATENTS, BOX FILING DATE, WASHINGTON, D.C., 20231, ON THE DATE INDICATED BELOW

BY:



Gary D. Colby

DATE:

20 November 2001

**BOX FILING DATE**

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

In Re: Patent Application of :  
MILLENNIUM PHARMACEUTICAL, INC. et al. :  
:  
Appln. No.: Not yet assigned :  
:  
Filed: Herewith :  
:  
For: 41769 AND 33935, HUMAN GLYCOSYL : Attorney Docket  
TRANSFERASES AND METHODS OF : No. 10147-56U1  
USE THEREOF :

Receipt date  
granted is  
11/20/01.  
J. Clancy  
from OPLA

**STATEMENT REGARDING EXPRESS MAIL DELIVERY  
REFUSED BY THE U.S. POSTAL SERVICE AND REQUEST FOR FILING DATE**

I attempted to deposit the correspondence in the enclosed sealed envelope bearing the Express Mail label number EL916936575US at the U.S. Postal Service facility at 30<sup>th</sup> and Market Streets in Philadelphia, Pennsylvania on **NOVEMBER 20, 2001**, and the correspondence was refused by the U.S. Postal Service, on the grounds that Express Mail correspondence was not being accepted for Washington, D.C. ZIP Codes 202xx through 205xx.

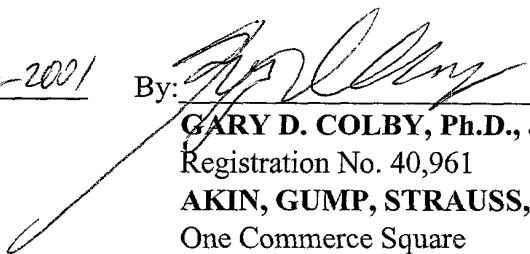
This Statement and Request is signed pursuant to 37 C.F.R. § 10.18.

Respectfully submitted,

20 November 2001

(Date)

By:



**GARY D. COLBY, Ph.D., J.D.**

Registration No. 40,961

**AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.**

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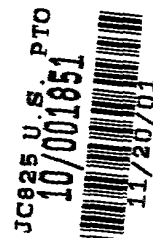
**Direct Dial: 215-965-1285**

EXPRESS MAIL NO. EL 916936575US

PATENT

**IN THE UNITED STATES PATENT RECEIVING OFFICE**

In Re: Patent Application of :  
Rachel A. Meyers et al. :  
:  
Appln. No.: Not yet assigned :  
:  
Filed: Herewith :  
:  
For: 47169 AND 33935, NOVEL HUMAN : Attorney Docket  
GLYCOSYL TRANSFERASES AND : No. 10147-56U1  
USES THEREFOR



**STATEMENT TO SUPPORT FILING AND SUBMISSION OF  
PAPER AND COMPUTER-READABLE COPIES OF SEQUENCE LISTING**

- (X) I hereby state that the contents of the paper and computer readable copies of the Sequence Listing, submitted herewith, are the same.

Respectfully submitted,

RACHEL A. MEYERS et al.

20 November 2001

(Date)

By: 

**GARY D. COLBY, Ph.D., J.D.**

Registration No. 40,961

**AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.**

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